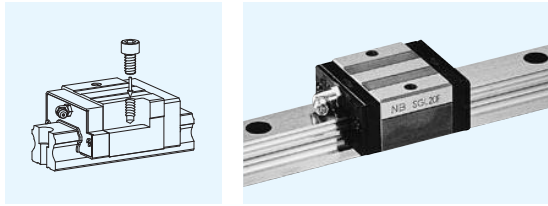


SGL-F TYPE

– High Rigidity Short Type –



part number structure

example **SGL 15 F B 2 T1 -589 D P/W2 FS LB F J -KGLA**

specification
SGL: standard
SGLS: anti-corrosion

size
15: block style

block style
F: seal (refer to page A-14)
blank: with side-seals
B: with side-seals + under-seals
BW: with double-seals + under-seals
BS: B + scraper
BR: B + reverse-seals
BWS: BW + scraper

number of blocks attached to one rail
2: number of blocks

preload symbol (refer to page A-54)
blank: standard
T1: light
T2: medium

total length of rail
589: total length of rail

size of rail installation hole (D type rail is available only for SGL 15 and 30)

symbol for grease (refer to page Eng-40~)
blank: standard grease
KGLA: lithium-based grease
KGU: urea-based grease
KGF: anti-fretting grease

with bellows (refer to page A-20)
D: with rail mounting hole caps (refer to page A-17)

with low temperature black chrome treatment
P: with Fiber Sheet (refer to page A-18)

symbol for number of axes*
blank: single axis
W2: 2 parallel axes
W3: 3 parallel axes

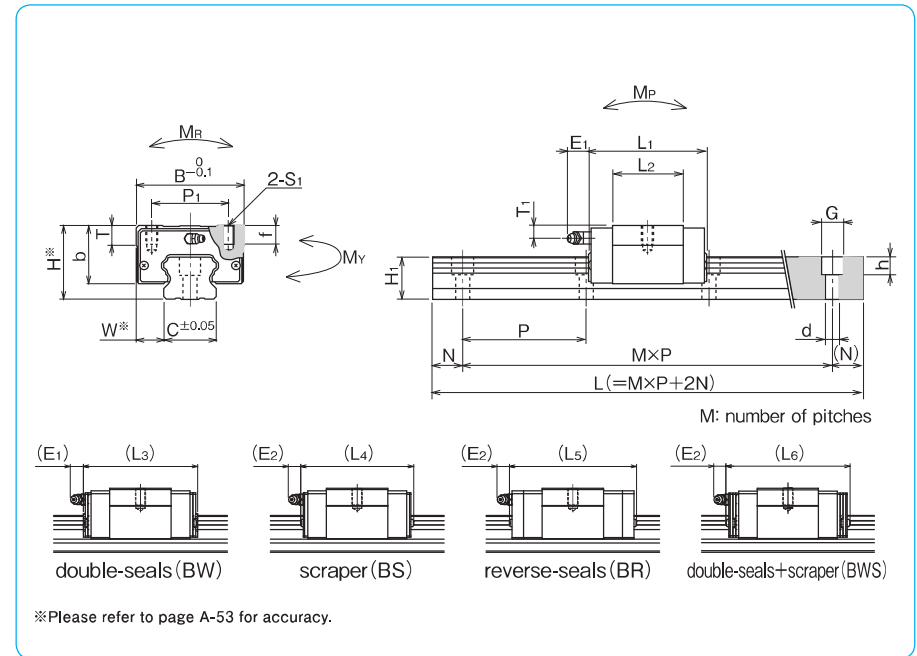
accuracy grade (refer to page A-53)
blank: standard
H: high
P: precision

*The symbol for the number of axes does not mean the number of rails ordered.

part number		assembly dimensions		block dimensions												
standard	anti-corrosion	H	W	B	L1	L2	L3	L4	L5	L6	P1	S1	f	T	b	E1
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SGL15F	SGLS15F	24	9.5	34	40.7	22.7	46.9	47.3	54.3	53.5	26	M4	7	6	19.5	6
SGL20F	SGLS20F	28	11	42	47.9	29.5	54.1	54.5	65.5	60.7	32	M5	8	7.5	22	12
SGL25F	SGLS25F	33	12.5	48	58.7	37.7	65.1	65.9	76.9	72.1	35	M6	9	8	26	12
SGL30F	SGLS30F-D	42	16	60	68	40	76.6	75.6	86.2	84.2	40	M8	12	9	32.5	12
SGL35F	—	48	18	70	77	46	85.6	84.6	95.2	93.2	50	M8	12	13	38	12

part number		standard rail length														
standard	anti-corrosion	L mm														
SGL15	SGLS15	160	220	280	340	400	460	520	580	640	700	760	820	880	940	1,000
SGL20	SGLS20	220	280	340	400	460	520	580	640	700	760	820	880	940	1,000	1,120
SGL25	SGLS25	220	280	340	400	460	520	580	640	700	760	820	880	940	1,000	1,120
SGL30	—	280	360	440	520	600	680	760	840	920	1,000	1,080	1,160	1,240	1,320	1,400
SGL35	—	280	360	440	520	600	680	760	840	920	1,000	1,080	1,160	1,240	1,320	1,400

Rails exceeding the maximum specified length may be fabricated if joints are used. Please contact NB for assistance.



guide rail dimensions			basic load rating		allowable static moment			mass					
E2	T1	grease fitting	dynamic C	static Co	Mp	My	Mr	block	guide rail	block size			
mm	mm		kN	kN	N·m	N·m	N·m	kg	kg/m				
5.4	5	pressed fitting	13.5	15	3.5×6×4.5 4.5×7.5×5.3	7.29	9.45	36.7 252	36.7 252	73.9	0.1	1.3	15
11	6	B-M6F	16	20	6×9.5×8.5	11.9	14.8	71.9 447	71.9 447	159	0.2	2.1	20
	6.5		20	23	7×11×9	17.0	21.1	123 751	123 751	254	0.3	3.0	25
	9		24	28	7×11×9 9×14×12	23.0	28.7	195 1,260	195 1,260	417	0.5	4.6	30
	8.5		27.5	34	9×14×12	32.0	37.8	293 1,870	293 1,870	693	0.8	6.2	35

Mp2 and My2 are allowable static moments when two blocks are used in close contact. 1kN≒102kgf 1N·m≒0.102kgf·m

maximum length	
standard	anti-corrosion
1,120 1,240 1,360 1,480	2,000 1,480
1,240 1,360 1,480 1,600 1,660 1,720 1,840 1,960	3,000 1,480
1,240 1,360 1,480 1,600 1,660 1,720 1,840 1,960	3,000 1,480
1,480 1,640 1,720 1,800 1,880 1,960	3,000 —
1,480 1,640 1,720 1,800 1,880 1,960	3,000 —